

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
Arlington, VA 22202  
ETATS-UNIS D'AMERIQUE  
in its capacity as elected Office

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| <b>Date of mailing</b> (day/month/year)<br>30 July 2001 (30.07.01)             |  |
| <b>International application No.</b><br>PCT/US00/22743                         | <b>Applicant's or agent's file reference</b><br>1002.00100         |
| <b>International filing date</b> (day/month/year)<br>18 August 2000 (18.08.00) | <b>Priority date</b> (day/month/year)<br>19 August 1999 (19.08.99) |
| <b>Applicant</b><br>FOMENKOV, Alexey et al                                     |  |

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
12 March 2001 (12.03.01)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

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| <b>The International Bureau of WIPO</b><br>34, chemin des Colombettes<br>1211 Geneva 20, Switzerland<br>Facsimile No.: (41-22) 740.14.35 | <b>Authorized officer</b><br>Juan Cruz<br>Telephone No.: (41-22) 338.83.38 |
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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/22743

| <b>A. CLASSIFICATION OF SUBJECT MATTER</b><br>IPC(7) :C12Q 1/68<br>US CL :435/6<br>According to International Patent Classification (IPC) or to both national classification and IPC   |   |  |
|--|---|--|
| <b>B. FIELDS SEARCHED</b><br>Minimum documentation searched (classification system followed by classification symbols)<br>U.S. : 435/6, 91.1, 91.2<br><br>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched<br><br>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>STN files BIOSIS, MEDLINE, EMBASE, CAPLUS, LIFESCI. Also searched WEST. |   |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>  |   |  |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No.  |
| X  | US 5,728,561 A (DENOYA) 17 March 1998(03/17/98), see col. 9.  | 1-5,10,14-17   |
| -  |   | -----  |
| Y  |   | 7-9  |
| Y  | 5,521,077 A (KHOSLA et al.) 28 May 1996, see Examples 2 and 4.  | 7-9  |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.  |   |  |
| *A*  | document defining the general state of the art which is not considered to be of particular relevance  | *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
| *B*  | earlier document published on or after the international filing date  | *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |
| *L*  | document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| *O*  | document referring to an oral disclosure, use, exhibition or other means  | *Z*  |
| *P*  | document published prior to the international filing date but later than the priority date claimed  | document member of the same patent family  |
| Date of the actual completion of the international search<br>02 OCTOBER 2000   |   | Date of mailing of the international search report<br>17 NOV 2000  |
| Name and mailing address of the ISA/US<br>Commissioner of Patents and Trademarks<br>Box PCT<br>Washington, D.C. 20231<br>Facsimile No. (703) 305-3230  |   | Authorized officer<br><i>Janell Taylor</i><br>JANELL TAYLOR<br>Telephone No. (703) 308-0196  |

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/22743

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 6, 11, 12, and 13  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
  

Claims 6, 11, and 13 are drawn to primers and probes which do not have the proper SEQ ID information given, i.e. there is no computer readable form or paper copy of the sequences.  
Claim 12 is a dependent claim but it is not stated which claim it depends from.
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.